Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/15/2018 09:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125407	0	1.73	125396	1.71
Blue	F	SSC	125000	122736	-2	2.38	123294	2.31
Blue	E	FITC	15760	15385	-3	3.05	332	22.52
Blue	D	PE	25880	25438	-2	2.10	552	16.93
Blue	B	PerCP-Cy5-5	34075	33500	-2	4.17	1023	21.93
Blue	A	PE-Cy7	22776	23021	1	7.25	555	44.18
Red	C	APC	42488	41631	-3	2.59	1580	12.81
Red	A	APC-Cy7	24478	24246	-1	2.73	830	12.62
Violet	B	V450	6304	6073	-4	3.97	339	15.96
Violet	A	V500	26005	25120	-4	3.64	586	12.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20613	6.65	604	7	N/A	N/A	Pass
Blue	F	SSC	55358	2.37	565	10	N/A	N/A	Pass
Blue	E	FITC	58	74.13	558	2	0.0157	193	Pass
Blue	D	PE	116	57.16	552	3	0.1226	277	Pass
Blue	B	PerCP-Cy5-5	192	54.11	650	3	0.0080	82	Pass
Blue	A	PE-Cy7	109	104.54	703	6	0.0093	11	Pass
Red	C	APC	377	27.30	597	-3	0.0220	189	Pass
Red	A	APC-Cy7	203	27.91	568	-3	0.0050	992	Pass
Violet	B	V450	52	75.48	480	-9	0.0355	2433	Pass
Violet	A	V500	86	42.83	497	-9	0.0161	1102	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.57	-31.05	0.96
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	17.92	13.60 - 20.40	N/A	N/A	30.77	31.43	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12450

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments